OIPE

RAW SEQUENCE LISTING   DATE: 12/10/2001
PATENT APPLICATION: US/10/001,254   TIME: 14:47:31

Input Set : A:\LJ5037.txt
Output Set: N:\CRF3\12102001\I001254.raw

ENTERED

```
  4 <110> APPLICANT: Reed, John C.
  5        Godzik, Adam
  6        Pawlowski, Krzysztof
  7        Fiorentino, Loredana
  8        Lee, Sug Hyung
  9        Roth, Wilfred
 10        Stenner-Liewen, Frank
 12 <120> TITLE OF INVENTION: Novel Death Domain Proteins
 15 <130> FILE REFERENCE: P-LJ 5037
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/001,254
C--> 17 <141> CURRENT FILING DATE: 2001-11-15
 17 <150> PRIOR APPLICATION NUMBER: 60/301,889
 18 <151> PRIOR FILING DATE: 2001-06-29
 20 <150> PRIOR APPLICATION NUMBER: 09/715,893
 21 <151> PRIOR FILING DATE: 2000-11-17
 23 <160> NUMBER OF SEQ ID NOS: 62
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 28 <211> LENGTH: 210
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Homo sapien
 32 <220> FEATURE:
 33 <221> NAME/KEY: CDS
 34 <222> LOCATION: (1)...(210)
 36 <400> SEQUENCE: 1
 37 ctt tgg gga aga acc act ctg aaa aga gaa gat aaa agc ccg att gcc      48
 38 Leu Trp Gly Arg Thr Thr Leu Lys Arg Glu Asp Lys Ser Pro Ile Ala
 39 1               5                   10                  15
 41 ccc gag gaa tta gca ctt gtt cac aac ttg agg aaa atg atg aaa aat      96
 42 Pro Glu Glu Leu Ala Leu Val His Asn Leu Arg Lys Met Met Lys Asn
 43              20                  25                  30
 45 gat tgg cat gga ggc gcc att gtg tcg gct ttg agc cag act ggg tct     144
 46 Asp Trp His Gly Gly Ala Ile Val Ser Ala Leu Ser Gln Thr Gly Ser
 47          35                  40                  45
 49 ctc ttt aag ccc cgg aaa gcc tat ctg ccc cag gag ttg ctg gga aag     192
 50 Leu Phe Lys Pro Arg Lys Ala Tyr Leu Pro Gln Glu Leu Leu Gly Lys
 51      50                  55                  60
 53 gaa gga ttt gat gcc ctg                                             210
 54 Glu Gly Phe Asp Ala Leu
 55  65                  70
 58 <210> SEQ ID NO: 2
 59 <211> LENGTH: 70
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Homo sapien
 63 <400> SEQUENCE: 2
 64 Leu Trp Gly Arg Thr Thr Leu Lys Arg Glu Asp Lys Ser Pro Ile Ala
 65  1               5                   10                  15
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66 Pro Glu Glu Leu Ala Leu Val His Asn Leu Arg Lys Met Met Lys Asn
67              20                25                30
68 Asp Trp His Gly Gly Ala Ile Val Ser Ala Leu Ser Gln Thr Gly Ser
69          35                40                45
70 Leu Phe Lys Pro Arg Lys Ala Tyr Leu Pro Gln Glu Leu Leu Gly Lys
71      50                55                60
72 Glu Gly Phe Asp Ala Leu
73 65                70
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 297
78 <212> TYPE: DNA
79 <213> ORGANISM: Homo sapien
81 <220> FEATURE:
82 <221> NAME/KEY: CDS
83 <222> LOCATION: (1)...(297)
85 <400> SEQUENCE: 3
86 acc agt ttt gct tat cca gct ata cga tat ctt ctg tat gga gag aag     48
87 Thr Ser Phe Ala Tyr Pro Ala Ile Arg Tyr Leu Leu Tyr Gly Glu Lys
88 1               5                  10                15
90 gga aca gga aaa acc cta agt ctt tgc cat gtt att cat ttc tgt gca     96
91 Gly Thr Gly Lys Thr Leu Ser Leu Cys His Val Ile His Phe Cys Ala
92              20                25                30
94 aaa cag gac tgg ctg ata cta cat att cca gat gct cat ctt tgg gtg    144
95 Lys Gln Asp Trp Leu Ile Leu His Ile Pro Asp Ala His Leu Trp Val
96          35                40                45
98 aaa aat tgt cgg gat ctt ctg cag tcc agc tac aac aaa cag cgc ttt    192
99 Lys Asn Cys Arg Asp Leu Leu Gln Ser Ser Tyr Asn Lys Gln Arg Phe
100     50                55                60
102 gat caa cct tta gag gct tca acc tgg ctg aag aat ttc aaa act aca    240
103 Asp Gln Pro Leu Glu Ala Ser Thr Trp Leu Lys Asn Phe Lys Thr Thr
104 65              70                75                80
106 aat gag cgc ttc ctg aac cag ata aaa gtt caa gag aag tat gtc tgg    288
107 Asn Glu Arg Phe Leu Asn Gln Ile Lys Val Gln Glu Lys Tyr Val Trp
108                 85                90                95
110 aat aag aga                                                       297
111 Asn Lys Arg
115 <210> SEQ ID NO: 4
116 <211> LENGTH: 99
117 <212> TYPE: PRT
118 <213> ORGANISM: Homo sapien
120 <400> SEQUENCE: 4
121 Thr Ser Phe Ala Tyr Pro Ala Ile Arg Tyr Leu Leu Tyr Gly Glu Lys
122 1               5                  10                15
123 Gly Thr Gly Lys Thr Leu Ser Leu Cys His Val Ile His Phe Cys Ala
124              20                25                30
125 Lys Gln Asp Trp Leu Ile Leu His Ile Pro Asp Ala His Leu Trp Val
126          35                40                45
127 Lys Asn Cys Arg Asp Leu Leu Gln Ser Ser Tyr Asn Lys Gln Arg Phe
128     50                55                60
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Input Set : A:\LJ5037.txt
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```
129 Asp Gln Pro Leu Glu Ala Ser Thr Trp Leu Lys Asn Phe Lys Thr Thr
130 65              70              75              80
131 Asn Glu Arg Phe Leu Asn Gln Ile Lys Val Gln Glu Lys Tyr Val Trp
132             85              90              95
133 Asn Lys Arg
137 <210> SEQ ID NO: 5
138 <211> LENGTH: 294
139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapien
142 <220> FEATURE:
143 <221> NAME/KEY: CDS
144 <222> LOCATION: (1)...(294)
146 <400> SEQUENCE: 5
147 aca tat gtg cgc tgc ctc aat gtt gga cta att agg aag ctg tca gat    48
148 Thr Tyr Val Arg Cys Leu Asn Val Gly Leu Ile Arg Lys Leu Ser Asp
149  1               5               10              15
151 ttt att gat cct caa gaa gga tgg aag aag tta gct gta gct att aaa    96
152 Phe Ile Asp Pro Gln Glu Gly Trp Lys Lys Leu Ala Val Ala Ile Lys
153             20              25              30
155 aaa cca tct ggt gat gat aga tac aat cag ttt cac ata agg aga ttt   144
156 Lys Pro Ser Gly Asp Asp Arg Tyr Asn Gln Phe His Ile Arg Arg Phe
157             35              40              45
159 gaa gca tta ctt caa act gga aaa agt ccc act tct gaa tta ctg ttt   192
160 Glu Ala Leu Leu Gln Thr Gly Lys Ser Pro Thr Ser Glu Leu Leu Phe
161     50              55              60
163 gac tgg ggc acc aca aat tgc aca gtt ggt gat ctt gtg gat ctt ttg   240
164 Asp Trp Gly Thr Thr Asn Cys Thr Val Gly Asp Leu Val Asp Leu Leu
165 65              70              75              80
167 atc caa aat gaa ttt ttt gct cct gcg agt ctt ttg ctc cca gat gct   288
168 Ile Gln Asn Glu Phe Phe Ala Pro Ala Ser Leu Leu Leu Pro Asp Ala
169             85              90              95
171 gtt ccc                                                          294
172 Val Pro
176 <210> SEQ ID NO: 6
177 <211> LENGTH: 98
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapien
181 <400> SEQUENCE: 6
182 Thr Tyr Val Arg Cys Leu Asn Val Gly Leu Ile Arg Lys Leu Ser Asp
183  1               5               10              15
184 Phe Ile Asp Pro Gln Glu Gly Trp Lys Lys Leu Ala Val Ala Ile Lys
185             20              25              30
186 Lys Pro Ser Gly Asp Asp Arg Tyr Asn Gln Phe His Ile Arg Arg Phe
187             35              40              45
188 Glu Ala Leu Leu Gln Thr Gly Lys Ser Pro Thr Ser Glu Leu Leu Phe
189     50              55              60
190 Asp Trp Gly Thr Thr Asn Cys Thr Val Gly Asp Leu Val Asp Leu Leu
191 65              70              75              80
192 Ile Gln Asn Glu Phe Phe Ala Pro Ala Ser Leu Leu Leu Pro Asp Ala
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PATENT APPLICATION: US/10/001,254   TIME: 14:47:31

        Input Set : A:\LJ5037.txt
        Output Set: N:\CRF3\12102001\I001254.raw

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193                 85              90              95
194 Val Pro
198 <210> SEQ ID NO: 7
199 <211> LENGTH: 303
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapien
203 <220> FEATURE:
204 <221> NAME/KEY: CDS
205 <222> LOCATION: (1)...(303)
207 <400> SEQUENCE: 7
208 tgg gag gag gat gag tgc ctg gac tac tac ggg atg ctg tcg ctt cac    48
209 Trp Glu Glu Asp Glu Cys Leu Asp Tyr Tyr Gly Met Leu Ser Leu His
210 1               5                   10                  15
212 cgt atg ttc gag gtg gtg ggc ggg caa ctg acc gag tgc gag ctg gag    96
213 Arg Met Phe Glu Val Val Gly Gly Gln Leu Thr Glu Cys Glu Leu Glu
214             20                  25                  30
216 ctc ctg gcc ttt ctg ctg gat gag gct cct ggc gcc gcc gga ggc tta   144
217 Leu Leu Ala Phe Leu Leu Asp Glu Ala Pro Gly Ala Ala Gly Gly Leu
218         35                  40                  45
220 gcc cgg gcc cgc agc ggc cta gag ctc ctg ctg gag ctg gag cgc cgc   192
221 Ala Arg Ala Arg Ser Gly Leu Glu Leu Leu Leu Glu Leu Glu Arg Arg
222     50                  55                  60
224 ggg cag tgc gac gag agc aac ctg cgg ctg ctg ggg caa ctc ctg cgc   240
225 Gly Gln Cys Asp Glu Ser Asn Leu Arg Leu Leu Gly Gln Leu Leu Arg
226 65                  70                  75                  80
228 gtg ctg gcc cgc cac gac ctg ctg ccg cac ctg gcg cgc aag cgg cgc   288
229 Val Leu Ala Arg His Asp Leu Leu Pro His Leu Ala Arg Lys Arg Arg
230             85                  90                  95
232 cgg cca gtg tct cca                                               303
233 Arg Pro Val Ser Pro
234             100
237 <210> SEQ ID NO: 8
238 <211> LENGTH: 101
239 <212> TYPE: PRT
240 <213> ORGANISM: Homo sapien
242 <400> SEQUENCE: 8
243 Trp Glu Glu Asp Glu Cys Leu Asp Tyr Tyr Gly Met Leu Ser Leu His
244 1               5                   10                  15
245 Arg Met Phe Glu Val Val Gly Gly Gln Leu Thr Glu Cys Glu Leu Glu
246             20                  25                  30
247 Leu Leu Ala Phe Leu Leu Asp Glu Ala Pro Gly Ala Ala Gly Gly Leu
248         35                  40                  45
249 Ala Arg Ala Arg Ser Gly Leu Glu Leu Leu Leu Glu Leu Glu Arg Arg
250     50                  55                  60
251 Gly Gln Cys Asp Glu Ser Asn Leu Arg Leu Leu Gly Gln Leu Leu Arg
252 65                  70                  75                  80
253 Val Leu Ala Arg His Asp Leu Leu Pro His Leu Ala Arg Lys Arg Arg
254             85                  90                  95
255 Arg Pro Val Ser Pro
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RAW SEQUENCE LISTING   DATE: 12/10/2001
PATENT APPLICATION: US/10/001,254   TIME: 14:47:31

        Input Set : A:\LJ5037.txt
        Output Set: N:\CRF3\12102001\I001254.raw

256   100
259 <210> SEQ ID NO: 9
260 <211> LENGTH: 195
261 <212> TYPE: DNA
262 <213> ORGANISM: Chlamydia trachomatis
264 <220> FEATURE:
265 <221> NAME/KEY: CDS
266 <222> LOCATION: (1)...(195)
268 <400> SEQUENCE: 9
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270 Asp Leu Trp Lys Gln Phe Val Phe Ala Leu Gly Val Thr Pro Glu Glu
271 1   5   10   15
273 tta gag gct cat gag cct agt gaa gca gca aaa gcg aaa gta gct act   96
274 Leu Glu Ala His Glu Pro Ser Glu Ala Ala Lys Ala Lys Val Ala Thr
275   20   25   30
277 ttc atg cgg tgg tgt aca gga gat tct tta gct gca gga gtg gct gct   144
278 Phe Met Arg Trp Cys Thr Gly Asp Ser Leu Ala Ala Gly Val Ala Ala
279   35   40   45
281 ttg tat tct tat gag agt caa att cca cgt atc gct aga gag aaa att   192
282 Leu Tyr Ser Tyr Glu Ser Gln Ile Pro Arg Ile Ala Arg Glu Lys Ile
283   50   55   60
285 cgt   195
286 Arg
287 65
290 <210> SEQ ID NO: 10
291 <211> LENGTH: 65
292 <212> TYPE: PRT
293 <213> ORGANISM: Chlamydia trachomatis
295 <400> SEQUENCE: 10
296 Asp Leu Trp Lys Gln Phe Val Phe Ala Leu Gly Val Thr Pro Glu Glu
297 1   5   10   15
298 Leu Glu Ala His Glu Pro Ser Glu Ala Ala Lys Ala Lys Val Ala Thr
299   20   25   30
300 Phe Met Arg Trp Cys Thr Gly Asp Ser Leu Ala Ala Gly Val Ala Ala
301   35   40   45
302 Leu Tyr Ser Tyr Glu Ser Gln Ile Pro Arg Ile Ala Arg Glu Lys Ile
303   50   55   60
304 Arg
305 65
308 <210> SEQ ID NO: 11
309 <211> LENGTH: 213
310 <212> TYPE: DNA
311 <213> ORGANISM: Mus musculus
313 <220> FEATURE:
314 <221> NAME/KEY: CDS
315 <222> LOCATION: (1)...(213)
317 <400> SEQUENCE: 11
318 cag cag cag gag gaa gtc cag cgg ctc ctg atg atg ggt gag cca gcc   48
319 Gln Gln Gln Glu Glu Val Gln Arg Leu Leu Met Met Gly Glu Pro Ala

Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa.

VERIFICATION SUMMARY　　　　　　　DATE: 12/10/2001
PATENT APPLICATION:　US/10/001,254　　TIME: 14:47:32

　　　Input Set : **A:\LJ5037.txt**
　　　Output Set: **N:\CRF3\12102001\I001254.raw**

```
L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
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